Industrial Education THE ANNUAL EXHIBITION AT EASTERS DISTRICT SCHOOL.

From The Orange Mail. The Eastern District School of Rast Orange is one of the best conducted public educational institutions in the county. and has a total enrollment of 603 pupils. The grounds are prettily laid out in lawns, dotted with flower beds and shaded by trees, and all kept in scrupulous good order. The principal of the school is Mr. Vernon L. Davey, and the system that he has instituted in the school for the government and instruction of the pupils has been attended with most satisfactory re-

The system of industrial education has been gradually worked in the studies of this school for the past four years, and Saturday the third annual exhibit of the work done by the pupils was opened to the general public. During the entire afternoon the various school rooms were filled with ladies and gentlemen, many being visitors from other cities who had heard of the achievements of the pupils in the school.

The handiwork of the pupils were distruthfully said that the system of industrial education as demonstrated at this school is a success. In the High School department, of course, the work was the

children the real meaning of fractions was enough to receive their sewage; and gotten up by Mr. Davey and made by George W. Van Emburg, one of the pupils. It is a small, flat board, with pieces of moulding laid at intervals on its face, and divided into parts.

Upon the blackboard was some crayon work showing the tools that boys use in their work. A "Hero's Fountain" was set in motion while the reporter was p esent, and in answer to queries the principal said that he had given the pupil the brass work and glass tubes and set him to work at it. The boy worked manfully and was successful. The fountain is supported by four thin glass tubes and is very fragile. A quart of water will keep it in operation

All the class-rooms had a very good signs made out of soap, in relief. From this part of the work much good has been derived. There are drawings from natural objects, such as vegetables and things that grow; sewing, hemming and stitching, tidies, aprons and mats. The work of the scholars in each room in the making of maps out of putty upon a board, in relief, was exceedingly well done, as was also the crayon work upon the blackboards; there is also a good collection of mineral specimens; macreme work and and beautiful carvings in soap of shells and natural objects. In the first primary class the youngsters gave a very good exercise in weaving splints in various designs, making chains out of paper, and other light work.

Mr. Davey said that in his entire school he had not an unruly pupil, and from the infant to the oldest scholar in the school a deep interest was manifested in the lessons, both practical and theoretical, and taking the four years' of work as a basic, Mr? Davey said that it was a great success, It serves to limber the fingers, make the brain more fertile and is a pleasant relief from the general routine of study. Among the visitors present yesterday, which numbered over 400, were the County Superintendent C. M. Davis, Mr. D. W. Magie, a School Principal; Mr. Dougall, a Principal, of Newark; Prof. U. W. Cutts, of Orange; Mr. E. Chapman and several lady teachers from his school; Mr. H. Pardee, Superintendent of Public Schools at Long Island, with a Principal and several lady teachers of the schools; Messrs. Scarlett and Taylor from the Newark schools and others; teachers from New Roselle, Montclair and Orange.

### The Disposal Works.

The East Orange Sewerage Disposal Works, on Glenwood avenue, are now about being put to practical use. The grounds outside the buildings have been made attractive and other land beside the site of Dodd's pond added, until the whole tract now includes about twenty acres. The grounds have been cleared. filled in and underdrained to the depth of six feet. The brook, which was formerly unsightly and foul, has been deepened, widened and stoned up, and its sloping banks are covered with smooth, welltrimmed sod. The land has also been graded and sown with grass seed, while a tasteful hedge surrounds it. Trees and shrubs which flourish have been planted all around, flower-beds display their beauties and some sensible employee has planted a vegetable garden. The houses which contain the machinery are of blue stone, cemented with red mortar. They are truly picturesque and would answer admirably for a more poetic purpose. Indeed, the whole scene is very different. from what one would expect in an ordinary filtering ground. The place has received the charming name of Franklin Park, probably from the fact that it lies within Franklin School District. When it was first known that the works were to be situated in that portion of the town the inhabitants protested vigorously, declaring that it would injure their health, lower the value of their land and render living to them intolerable. But instead of their predictions being realized, the park is considered an ornament and an attraction to all the country which sur-

rounds it. The sewage flows from the main into a square brick conduit, which passes close by the foundation of the main building. It is intersected at intervals of about a foot by half partitions, which lash and churn the stream, and mix it thoroughly with chemicals that flow into it at this point from vats standing inside the building. After passing along this conduit and receiving the requisite quantum of chem icals, the sewage runs into a tank, twelve feet square and sixteen feet deep, called the "sludge well." Here it remains until the chemicals have caused the greater part of the solid substances to accumulate on the bottom, when the fluid is drawn off into another building. This house contains three series of two tanks each, in which the precipitating process just described occurs again. By the time the sewage has passed through the tanks the

liquid matter alone will flow away, while the solid portions will remain. Then the fluid will be conveyed to different parts of the ground, and distributed by means of tiles and lines of pipes. It will filter through the earth and find its way to the brook, absolutely pure. The grounds are said to be large enough to accommodate the sewage of a city inhabited by 50,000 people, whereas East Orange holds only about 12,000. The land will be prevented from losing its filtering properties by turning the tide at times from one section. to another, and so allowing each part in

turn a season of disuse. Although some sewage has been received into the "sludge well," none has as yet been removed from it. The solid parts of the sewage will be taken from the well and the tanks and treated in a Johnson filter press, which consists of several layers of canvas and a heavy clamp. The matter comes from this press in the form of dry, hard cakes, which make an excellent fertilizer, selling for \$4 or \$5 per ton. The great sewerage system has been constructed according to the plan and under the superintendence of Mr. Carroll Ph. Bassett The success or failure of the enterprise is awaited with almost as great anxiety

played in each class-room, and it may be by the people of the surrounding communities as by the citizens of East Orange, because in a short time it will be necessary for them also to adopt some system of sewerage. All are hampered by the common difficulties, arising from their being Quite a new device for teaching little | removed from a body of water large should the East Orange plan prove satisfactory, the others will be apt to profit by their neighbor's experiment.

The Hoboken Waiting Room.

Work has been begun on the new waitng-room of the Delaware, Lackawanna & Western Railroad at Hoboken, and men are busily engaged in throwing in stone to make a solid foundation up to the line of solid filling established by the Riparian Commission on the river front. Beyond this a wharf will extend, and upon it will rest one end of the new depot. The depot building will be a low structure built of wood, iron and glass, with a slate roof. Part of it will be two stories high, and will contain various offices on the second floor, but the main waiting-room will be a one-story structure twenty-four feet in height. The building will be one hundred and sixty feet long and ninety-four feet wide, and will be divided into two waitingrooms. That through which passengers will go to reach the cars will be one hundred and six feet long and seventy-five feet wide, and the room through which they will pass in going from the cars will be forty feet wide and one hundred feet long. The new train shed which will be put up in connection with the depot will be constructed of iron and glass, will contain eight tracks and will be one hundred and fifty-four feet wide and four hundred and fifty feet long

#### Ammoniated Bread.

Ammoniated baking powders-that is baking powders in which carbonate of ammonia is used as an ingredient, and which exhale an odor of ammonia when heated-are classed by many eminent physicians and sanitarians as superior to all others. Professor Hassell, of London, who is recognized as highest authority on the subject of food hygiene commends in the strongest terms the use of carbonate of ammonia as a leavening agent, stating its great advantage to be in its perfect volatility, which permits it to be, by the heat of baking, entirely thrown into leavening gas whereby the bread is raised. The experiment with heat would seem to indicate the superior, not the inferior, value of such baking powder. The little heat that is imparted to it when held over gas jet, lamp, or stove, suffices to resolve the carbonate of ammonia into leavening gas and throw it off. The first heat of baking, therefore, will effectually develop all the gas, thoroughly leaven the loaf and dissipate the gas producing ingredients of a powder of this kind; and this is the highest test of a perfect baking powder. Where other alkalines alone are used they are not infrequently retained, unresolved, through the whole process of of baking, and remain an unwholesome ingredient in the finished bread. The carbonate of ammonia cannot be used as a substitute for cream of tartar. N. Y. Weekly Tribune.

ABOUT THE SIZE OF IT. I'm Grover Cleveland from Buffalo, I lead the leaders, I bess the show There's one of me. There's thousands of them They are the buds, And I am the stem; I lop them off Or I let them stay, Just as I happen I'm Grover Cleveland from Buffalo, The one big man in the party, you know I'm Grover Cleveland from Buffalo, I've got my grip, and I'll stay right there, While the leaders cuss And the leaders swear; I take it serenely; I know my chance, I hold up the party By the seat of its pants: I'm Grover Cleveland from Buffalo, I'm the Unit of Value they can't let go. They'd knife me of course; They've got the gall, But they'd rather have me

- Washington Critic.

Than nathing at all:

I'm Grover Cleveland from Buffalo,

If I get left the party must go.

This Foreign Administration. The preference of the free trader for foreign made fabrics is very a tly illustrated in the acceptance by Secretary Endicott of an English bid for 2,000 army blankets, the bid of the English manufacturer being thirty cents lower than that of the American manufacturer. The result will be the nominal saving of a few dollars to the government, while the money to settle the entire bill will be transferred from t'e home to the foreign market. What profit there may be in the trade goes into the pocket of the British manufacturer, for the production of British fabrics at British starvation prices. Home manufacturers, home labor, and a home market, have little cansideration from Mr. Cleveland's War Secretary.

'tariff reform' notions.

This is all in keeping with Democratic

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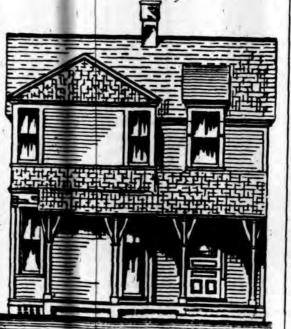
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Cor. Boomfield and Washington Aves., SHERIFF'S SALE.—New Jersey Supreme Court.
The Gler Ridge Quarry and Mining Company
vs. Whipple O. Sayles.—Fi. fa., &c.,
By virtue of the above-stated writ of fieri facias. to me directed. I shall expose for sale by public day, the tenth day of July next, at two o'clock P. M., all those tracts or parcels, of land and premises situate, lying and being in the tewnship of Bloomfield, Essex County, New Jersey. First Tract—Being the homestead formerly own-d and occupied by Joseph S. Dodd, deceased, and conveyed to him by Stephen F. Craue and wife by deed dated July 1, 1829, and recorded in Book Y, 5 of Deeds for Essex C unty, pages 104, 105, and 106, and therein described as follows: 105 and 106, and therein described as follows: Bounded wester y and northerly by lands of Hermon Cadmus, easterly by land late of Mos-s Dodd and southerly by lands late of īsaac Dodd, deceased, meaning thereby lands which composed a part of his farm, but later belonging to Joseph S. Dodd and Moses Dodd. Containing six acres, more or less, situate on the northerly side of the Newark and Pompton Turnbike Road, about half

a mile west of the Bloomfield Church.

Being a small lot or strip of land lying in front of the said homestead between said Turnpike Road and the mill pond. The above premises are intended to include all the real estate conveyed to William A. Benson by Emma M. F. Dodd and others by deed dated May 28th, 1860, and recorded in the Clerk's Office of the County of Essex. Being the same real estate conveyed by Enoch W. Page and wife to Acquilla B. C. Lombard and by the said Acquilla R. C. Lombard and Susan his wife conveyed to the said Enoch W. Page on the first day of June, 1870, and recorded in the Clerk's Office of the County of Essex on the —day of —in liber —, page —, and by the said Enoch W. Page and wife to Henry P. Hyde, by deed dated February 9th, 1880, and recorded in the Register's Office of said county, on the tenth day of February, 1880, in Liber'P 20, of Deeds for said County on pages 430, 431, and by said Henry P. Hyde and Page on the tenth day of February. 1880, by deed of the t date duly recorded in said Register's Office on the tenth daylof February, 1880, in Liber P 20 of Deeds, pages 431, 432 and 433, and by said Mrs. Mel ssa L. Page and Enoch W. Page her husband conveyed to John D. Wilsey on the twenty-eighth day of November, 1881, by deed of that date duly recorded in said Register's Office on the third day of December, 1891, in Book H 21 of Deeds, pages

287, 288 and 289.
Newark, N. J., June 4th, 1888.
EDWIN W. HINE, Sheriff.
EDWIN A. RAYNOR, Att'y. \$9.90

Sidewalk Applications. TOTICE is hereby given that the Sidewalk Committee are prepared to receive applications for Stone Sidewalks, and that the applications must be made on the blank forms furnished by By order of the Township Committee: EDWARD F. FARRAND.

Bloomfield, N. J., April 12, 1888. Saie Investments

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